



for over 100 years...

McShane
Le **bells and chimes**

McShane Bell Foundry Company, Inc.

McShane bells and chimes

There's art and skill in the making of a Bell . . . an assembling of materials . . . deft hands to guide their fashioning . . . and a mass of shapeless metals becomes translated into deep, rich tones of sweetest music, floating across the air from the lofty tower of some cathedral . . .

Such is the making of a McShane Bell . . . a bit of master craftsmanship that knows no other law than that of scientific accuracy.

Since the establishment of the company in 1856, over 100,000 McShane Bells have been installed.

They ring from the towers of Cathedrals, Churches and Public Buildings in all sections of this country and throughout the world.

Our complete foundry and manufacturing facilities, our skilled workmen, long experienced in the uncommon art of Bell making, and the finest of materials assure a product unexcelled in its field.

McShane Bells are composed of pure Ingot Copper and imported East India Tin, the only metals which years of experience and test have demonstrated are capable of producing a satisfactory ringing alloy.

McShane chimes

While there is no limit to the number of bells in a chime, they are generally understood to consist of at least eight bells. One octave gives a narrow scope for tune playing. The most practical consists of ten to thirteen. The lighter sets ten; medium eleven; the heavier ones thirteen. We do not recommend more than thirteen unless an extra heavy bell is used for the "tenor."

The frame in which the bells are hung is built to suit the specific requirements of the tower.

Our playing actions are extremely simple; easy to install and play, inexpensive to maintain, being a make-and-break contact using a minimum of current.

Old or new chime installations can be electrified to be played from keyboard placed at organ console. The evenness of tone quality, solidity of frame and fixtures, everything desirable in a superior chime is inherent in "McShane Chimes."

PLANNING TOWERS FOR CHIMES

The average tower measures from 12' to 15' square with about a 10' to 16' ceiling having windows as large (maximum closure 2' at floor and ceiling) and as open as possible. Louvers may be used to close the openings provided they are at a 45° angle. The floor should be nearly level, supported by heavy timbers or "I" beams with a 4' to 5' square trap door in the center for hoisting the bells if the windows won't permit entry.

keyboard

Made of quartered oak or any finish desired, with a key for each tone hooked up to the relay panel. Relays also can be attached to the organ console itself.

hand ringing

Playing is done by the hand ringing stand below. A player roll attachment operated from a push button or clock is also available.

relay panel

In a steel cabinet attached to the lower part of the bell carrying frame. All parts are easily accessible and will give an indefinite period of service.

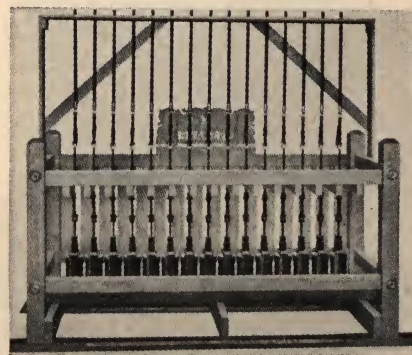


◀ chime of bells with large bell mounted for separate ringing



hand ringing stand ▶ with electric operating units

▲ size: 17" x 17" x 10"



McShane church and chapel bells



▲ chapel bell

◀ church bell

Church and chapel bells are fully warranted as to excellence of tone, composition and workmanship. They are completely mounted and equipped with McShane rotary yoke, steel clapper springs, substantial steel stand mounted on Georgia pine, with pillow block ball-bearings, tolling hammer, steel wheels and rope.

STEEL WHEELS ARE FURNISHED WITH ALL BELLS.

BELL			MOUNTING		BELL			MOUNTING		BELL			MOUNTING	
Wt.	Tone	Dia.	Frame Size	Wheel Dia.	Wt.	Tone	Dia.	Frame Size	Wheel Dia.	Wt.	Tone	Dia.	Frame Size	Wheel Dia.
church					church (cont.)					church (cont.)				
300	D	25"	3'4" x 2'8"	2'10"	1200	G	38"	4'9" x 3'7"	5'6"	5000	B	62"	7'6" x 6'0"	7'7"
350	D	26"	3'4" x 2'8"	3'6"	1300	G	39"	4'9" x 3'7"	5'6"	5500	B	64"	7'6" x 6'0"	7'7"
400	C#	27"	3'4" x 2'10"	3'6"	1400	F#	40"	5'0" x 3'10"	5'6"	6200	Bb	66"	7'6" x 6'0"	7'7"
450	C#	28"	4'0" x 2'10"	4'4"	1500	F#	41"	5'0" x 3'10"	5'6"	7000	A	72"	8'0" x 7'0"	7'7"
500	C	29"	4'0" x 2'10"	4'4"	1600	F	42"	5'4" x 4'0"	5'6"	chapel				
550	C	30"	4'0" x 2'10"	4'4"	1800	F	44"	5'4" x 4'0"	6'3"	100	A	17"	2'1"	2'0"
600	B	31"	4'0" x 2'10"	4'4"	2000	E	46"	5'8" x 4'6"	6'3"	125	G	18"	2'7"	2'0"
650	B	32"	4'5" x 3'3"	4'9"	2300	E	48"	5'8" x 4'6"	6'3"	150	F#	20"	2'10"	2'0"
700	Bb	33"	4'5" x 3'3"	4'9"	2500	Eb	50"	6'1" x 4'6"	6'3"	175	F	21"	3'0"	2'0"
750	Bb	33"	4'5" x 3'3"	4'9"	2800	Eb	52"	6'1" x 4'6"	7'0"	200	E	22"	3'0"	2'0"
800	A	34"	4'5" x 3'3"	4'9"	3000	D	54"	6'8" x 5'0"	7'0"	225	D#	23"	3'0"	2'0"
900	A	35"	4'5" x 3'3"	4'9"	3400	C#	55"	6'8" x 5'0"	7'0"	250	D#	24"	3'2"	2'10"
1000	G#	36"	4'9" x 3'4"	5'6"	3800	C#	57"	7'0" x 5'0"	7'7"					
1100	G#	37"	4'9" x 3'4"	5'6"	4200	C	59"	7'0" x 6'0"	7'7"					

McShane Westminster peal bells

Peals are a combination of from two to five bells attuned to various musical intervals, and are fitted with the complete mountings in the manner of church bells and rung together. Each tone falling in one after the other produces a very beautiful, harmonious and pleasing effect.

The demand for peals is constantly growing and we have had the honor of building the largest swinging peals in this country. This class of work is a specialty with us and many sets are sent out each year.

The Westminster peal is copied after the famous bells in the tower of the houses of Parliament, Westminster, and introduced many years ago in St. Mary's, Cambridge. It is also known as the "Cambridge Quarters." In England almost every parish has its "Peal" and change ringing is an art peculiar to that country.

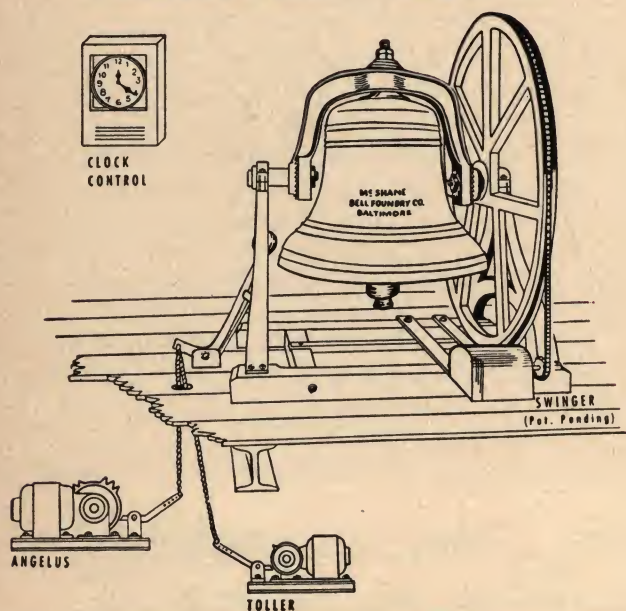


The Westminster Changes consist of an interchange of sixteen notes. Four bells are required.

The usual method of mounting when used with tower clocks is in a frame with all bells stationary. All mountings are designed to permit the attaching of clock hammers when desired, and are arranged to suit the individual tower.

McShane bell swinger

Funeral Toller—Angelus



The new silent bell swinger is precision built, consisting of hardened and ground gears, completely ball bearing equipped to give you years of trouble free service. Bells are rung automatically or switch controlled. Our unconditional five year guarantee eliminates the need for service policies or adjustments of any kind.

for over 100 years

Over 100,000 McShane Bells have been installed and ring from the towers of the finest Cathedrals, Churches and Public Buildings in every section of the world.

McShane Bells have been composed of all virgin copper and tin, the only metals which years of experience and test have demonstrated as capable of producing a satisfactory ringing alloy.

The name McShane has been, in itself, an unconditional guarantee of unrivalled quality and workmanship.

McSHANE BELLS FOR EVERY REQUIREMENT

In addition to the bells and chimes shown on the previous pages, our complete facilities enable us to furnish bells and their fastenings for any and all purposes. The list alongside shows but a few of the many uses we service.

McSHANE WARRANTY AND SERVICES

We extend the following warranty attached to the bill of sale of all bells of one hundred pounds in weight and upward.

"The above mentioned bell is warranted to be of genuine bell metal composition, of finest workmanship and of perfect tone (the purchaser to decide this). It is warranted not to break while being used in the proper manner, for a period of twenty-five years from this date. In case of failure in any of these respects, and notice be given us, we agree to recast the bell, or provide another of the same weight and quality which will be satisfactory, the purchaser to bear only the expense of transportation."

"Electrical equipment consisting of electric keyboard action, and player roll attachment, is guaranteed for a period of five years from date of purchase against original defects in workmanship and material."

We are always pleased to give any information desired on the subject, inspect towers, give demonstrations, furnish specifications and estimates.

typical McShane installations

St. Helena Cathedral — Helena, Montana
 Highland Park Presbyterian Church — Pittsburgh, Pa.
 St. John's Lutheran Church — Columbia, Pa.
 Wesley Memorial M.E. Church — High Point, N. C.
 University of Illinois — Champaign, Ill.
 Ohio Wesleyan University — Delaware, Ohio
 Geneva College — Beaver Falls, Pa.
 Loyola University — New Orleans, La.
 Ohio State University — Columbus, O.
 St. Mary-of-the-Woods Col. — St. Mary-of-the-Woods, Ind.

- fire alarm and town clock bells
- academy and school bells
- court house bells
- lighthouse and fog bells
- ship and factory bells

McShane Bell Foundry Company, Inc.

201 EAST FEDERAL STREET

BALTIMORE, 2, MARYLAND

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